SEQUENCE LISTING

<110> Rodriguez Aguirre et al.

<120> EMPTY CAPSIDS (VLPs(-VP4)) OF THE INFECTIOUS BURSAL DISEASE VIRUS (IBDV), OBTAINMENT PROCESS AND APPLICATIONS

<130> 8026-74818-01

<140> US 10/576,988
<141> 2006-04-20

<150> PCT/EP2005/000694
<151> 2005-01-21

<150> ES P200400121
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<170> PatentIn version 3.1

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atg tgg ctg gaa gag aat ggg att gtg act gac atg gcc aac ttc gca      8241
Met Trp Leu Glu Glu Asn Gly Ile Val Thr Asp Met Ala Asn Phe Ala
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ctc agc gac ccg aac gcc cat cgg atg cga aat ttt ctt gca aac gca      8289
Leu Ser Asp Pro Asn Ala His Arg Met Arg Asn Phe Leu Ala Asn Ala
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cca caa gca ggc agc aag tcg caa agg gcc aag tac ggg aca gca ggc      8337
Pro Gln Ala Gly Ser Lys Ser Gln Arg Ala Lys Tyr Gly Thr Ala Gly
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tac gga gtg gag gct cgg ggc ccc aca cca gag gaa gca cag agg gaa      8385
Tyr Gly Val Glu Ala Arg Gly Pro Thr Pro Glu Glu Ala Gln Arg Glu
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Lys Asp Thr Arg Ile Ser Lys Lys Met Glu Thr Met Gly Ile Tyr Phe
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gca aca cca gaa tgg gta gca ctc aat ggg cac cga ggg cca agc cca     8481
Ala Thr Pro Glu Trp Val Ala Leu Asn Gly His Arg Gly Pro Ser Pro
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ggc cag gta aag tac tgg cag aac aaa cga gaa ata ccg gac cca aac     8529
Gly Gln Val Lys Tyr Trp Gln Asn Lys Arg Glu Ile Pro Asp Pro Asn
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gag gac tat cta gac tac gtg cat gca gag aag agc cgg ttg gca tca     8577
Glu Asp Tyr Leu Asp Tyr Val His Ala Glu Lys Ser Arg Leu Ala Ser
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Glu Glu Gln Ile Leu Arg Ala Ala Thr Ser Ile Tyr Gly Ala Pro Gly
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cag gca gag cca ccc caa gct ttc ata gac gaa gtt gcc aaa gtc tat     8673
Gln Ala Glu Pro Pro Gln Ala Phe Ile Asp Glu Val Ala Lys Val Tyr
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gaa atc aac cat gga cgt ggc cca aac caa gaa cag atg aaa gat ctg     8721
Glu Ile Asn His Gly Arg Gly Pro Asn Gln Glu Gln Met Lys Asp Leu
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Leu Leu Thr Ala Met Glu Met Lys His Arg Asn Pro Arg Arg Ala Leu
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Pro Lys Pro Lys Pro Lys Pro Asn Ala Pro Thr Gln Arg Pro Pro Gly
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cgg ctg ggc cgc tgg atc agg acc gtc tct gat gag gac ctt gag gga     8865
Arg Leu Gly Arg Trp Ile Arg Thr Val Ser Asp Glu Asp Leu Glu Gly
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tcc atc gcc acc atg gtg agc aag ggc gag gag ctg ttc acc ggg gtg     8913
Ser Ile Ala Thr Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val
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gtg ccc atc ctg gtc gag ctg gac ggc gac gta aac ggc cac aag ttc     8961
Val Pro Ile Leu Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe
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agc gtg tcc ggc gag ggc gag ggc gat gcc acc tac ggc aag ctg acc     9009
Ser Val Ser Gly Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr
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ctg aag ttc atc tgc acc acc ggc aag ctg ccc gtg ccc tgg ccc acc     9057
Leu Lys Phe Ile Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr
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ctc gtg acc acc ctg acc tac ggc gtg cag tgc ttc agc cgc tac ccc     9105
Leu Val Thr Thr Leu Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro
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gac cac atg aag cag cac gac ttc ttc aag tcc gcc atg ccc gaa ggc     9153
Asp His Met Lys Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly
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Tyr Val Gln Glu Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys
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acc cgc gcc gag gtg aag ttc gag ggc gac acc ctg gtg aac cgc atc      9249
Thr Arg Ala Glu Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile
            375             380             385

gag ctg aag ggc atc gac ttc aag gag gac ggc aac atc ctg ggg cac      9297
Glu Leu Lys Gly Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His
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aag ctg gag tac aac tac aac agc cac aac gtc tat atc atg gcc gac      9345
Lys Leu Glu Tyr Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp
405             410             415             420

aag cag aag aac ggc atc aag gtg aac ttc aag atc cgc cac aac atc      9393
Lys Gln Lys Asn Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile
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Glu Asp Gly Ser Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro
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atc ggc gac ggc ccc gtg ctg ctg ccc gac aac cac tac ctg agc acc      9489
Ile Gly Asp Gly Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr
            455             460             465

cag tcc gcc ctg agc aaa gac ccc aac gag aag cgc gat cac atg gtc      9537
Gln Ser Ala Leu Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val
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ctg ctg gag ttc gtg acc gcc gcc ggg atc act ctc ggc atg gac gag      9585
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Leu Ser Val Phe Met Trp Leu Glu Glu Asn Gly Ile Val Thr Asp Met
            35              40              45

Ala Asn Phe Ala Leu Ser Asp Pro Asn Ala His Arg Met Arg Asn Phe
    50              55              60

Leu Ala Asn Ala Pro Gln Ala Gly Ser Lys Ser Gln Arg Ala Lys Tyr
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Gly Thr Ala Gly Tyr Gly Val Glu Ala Arg Gly Pro Thr Pro Glu Glu
                 85   90   95

Ala Gln Arg Glu Lys Asp Thr Arg Ile Ser Lys Lys Met Glu Thr Met
            100   105   110

Gly Ile Tyr Phe Ala Thr Pro Glu Trp Val Ala Leu Asn Gly His Arg
            115   120   125

Gly Pro Ser Pro Gly Gln Val Lys Tyr Trp Gln Asn Lys Arg Glu Ile
        130   135   140

Pro Asp Pro Asn Glu Asp Tyr Leu Asp Tyr Val His Ala Glu Lys Ser
145   150   155   160

Arg Leu Ala Ser Glu Glu Gln Ile Leu Arg Ala Ala Thr Ser Ile Tyr
                165   170   175

Gly Ala Pro Gly Gln Ala Glu Pro Pro Gln Ala Phe Ile Asp Glu Val
            180   185   190

Ala Lys Val Tyr Glu Ile Asn His Gly Arg Gly Pro Asn Gln Glu Gln
            195   200   205

Met Lys Asp Leu Leu Leu Thr Ala Met Glu Met Lys His Arg Asn Pro
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Arg Arg Ala Leu Pro Lys Pro Lys Pro Lys Pro Asn Ala Pro Thr Gln
225   230   235   240

Arg Pro Pro Gly Arg Leu Gly Arg Trp Ile Arg Thr Val Ser Asp Glu
            245   250   255

Asp Leu Glu Gly Ser Ile Ala Thr Met Val Ser Lys Gly Glu Glu Leu
            260   265   270

Phe Thr Gly Val Val Pro Ile Leu Val Glu Leu Asp Gly Asp Val Asn
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Gly His Lys Phe Ser Val Ser Gly Glu Gly Glu Gly Asp Ala Thr Tyr
    290   295   300

Gly Lys Leu Thr Leu Lys Phe Ile Cys Thr Thr Gly Lys Leu Pro Val
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Pro Trp Pro Thr Leu Val Thr Thr Leu Thr Tyr Gly Val Gln Cys Phe
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Ser Arg Tyr Pro Asp His Met Lys Gln His Asp Phe Phe Lys Ser Ala
            340   345   350

Met Pro Glu Gly Tyr Val Gln Glu Arg Thr Ile Phe Phe Lys Asp Asp
        355   360   365

Gly Asn Tyr Lys Thr Arg Ala Glu Val Lys Phe Glu Gly Asp Thr Leu
    370   375   380

Val Asn Arg Ile Glu Leu Lys Gly Ile Asp Phe Lys Glu Asp Gly Asn
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Ile Leu Gly His Lys Leu Glu Tyr Asn Tyr Asn Ser His Asn Val Tyr
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  Arg His Asn Ile Glu Asp Gly Ser Val Gln Leu Ala Asp His Tyr Gln
          435             440                 445

  Gln Asn Thr Pro Ile Gly Asp Gly Pro Val Leu Leu Pro Asp Asn His
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  Tyr Leu Ser Thr Gln Ser Ala Leu Ser Lys Asp Pro Asn Glu Lys Arg
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  Asp His Met Val Leu Leu Glu Phe Val Thr Ala Ala Gly Ile Thr Leu
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  Gly Met Asp Glu Leu Tyr Lys
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